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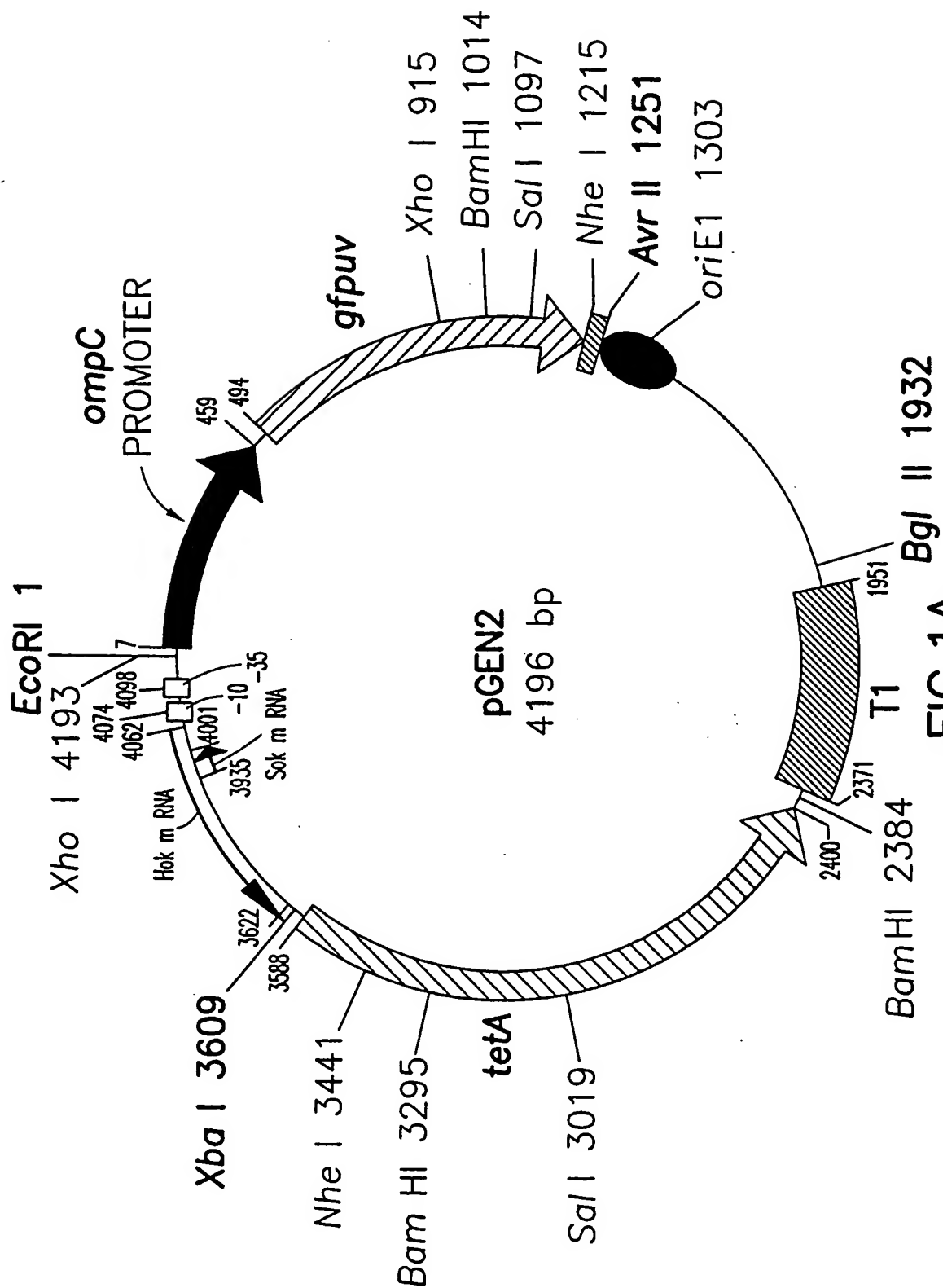
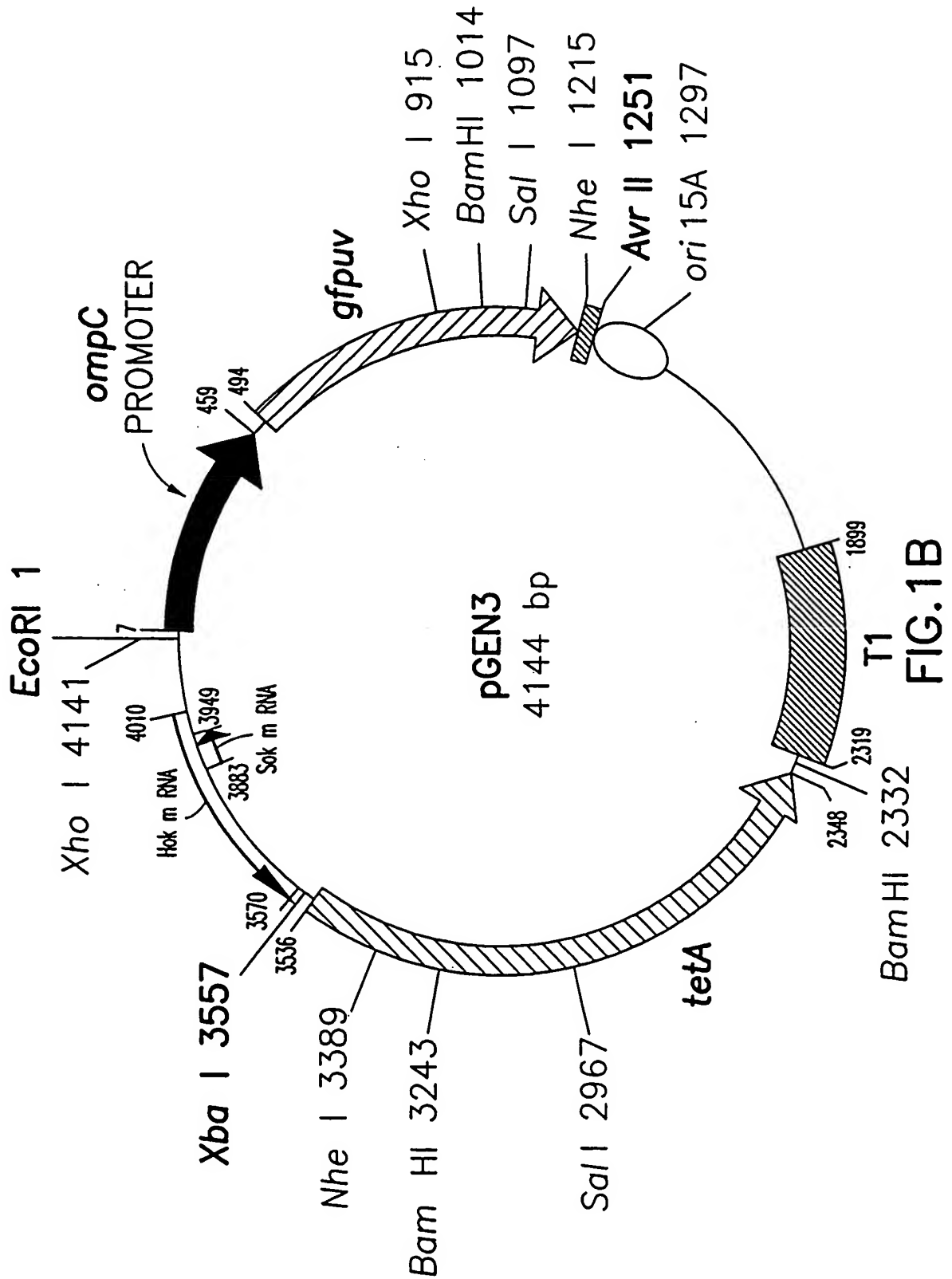


FIG.1A

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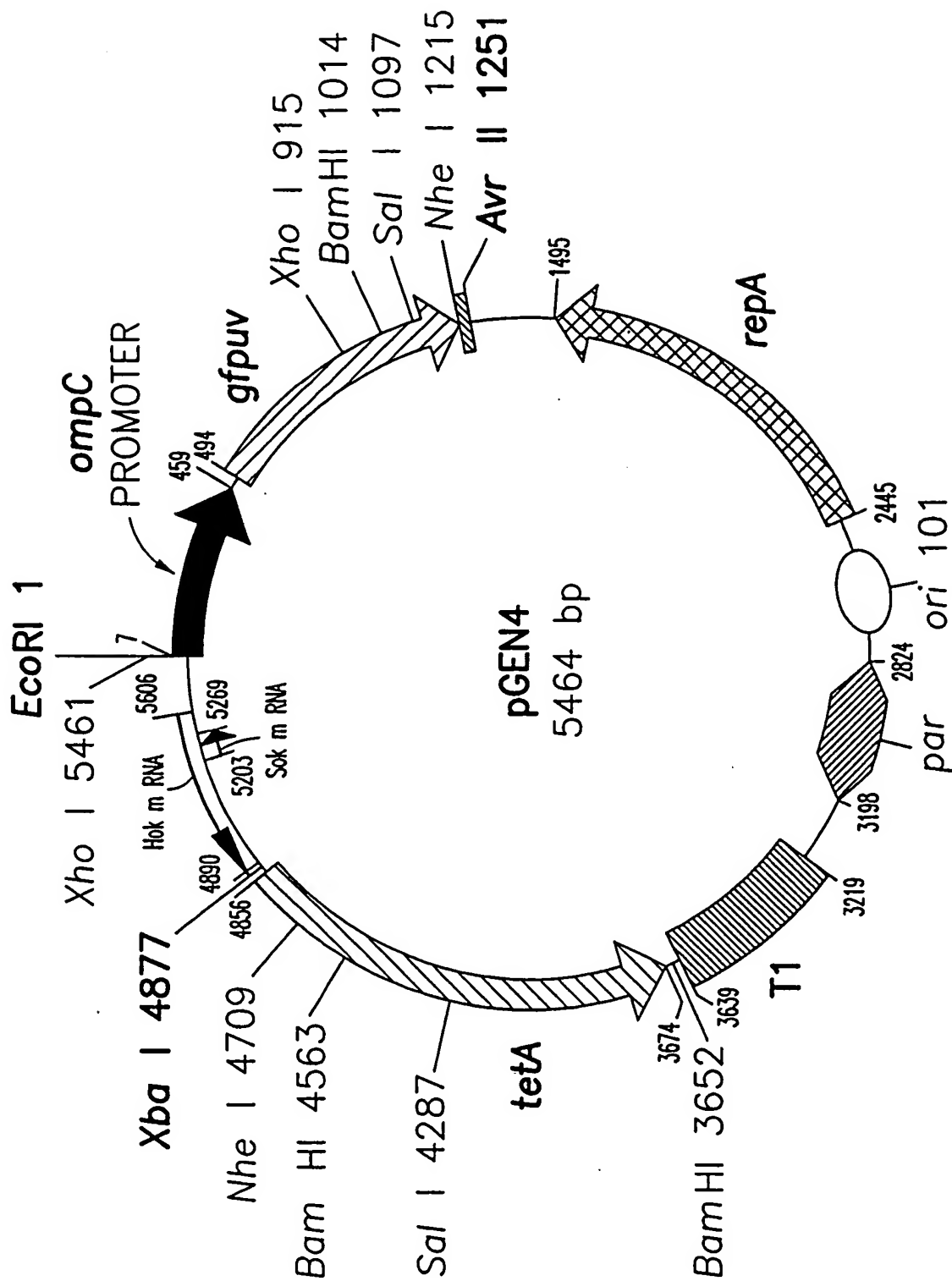


FIG.1C

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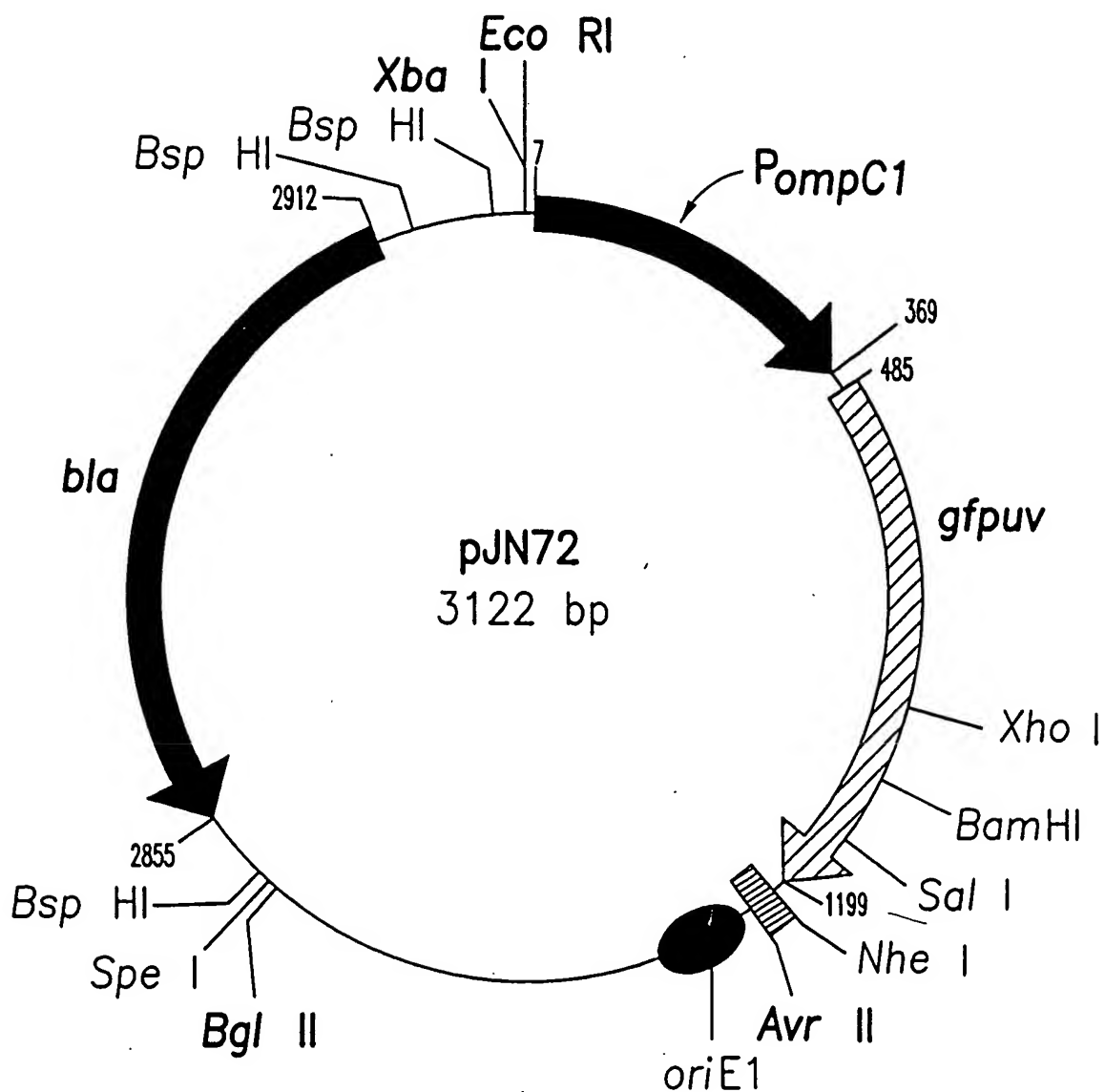


FIG.2A

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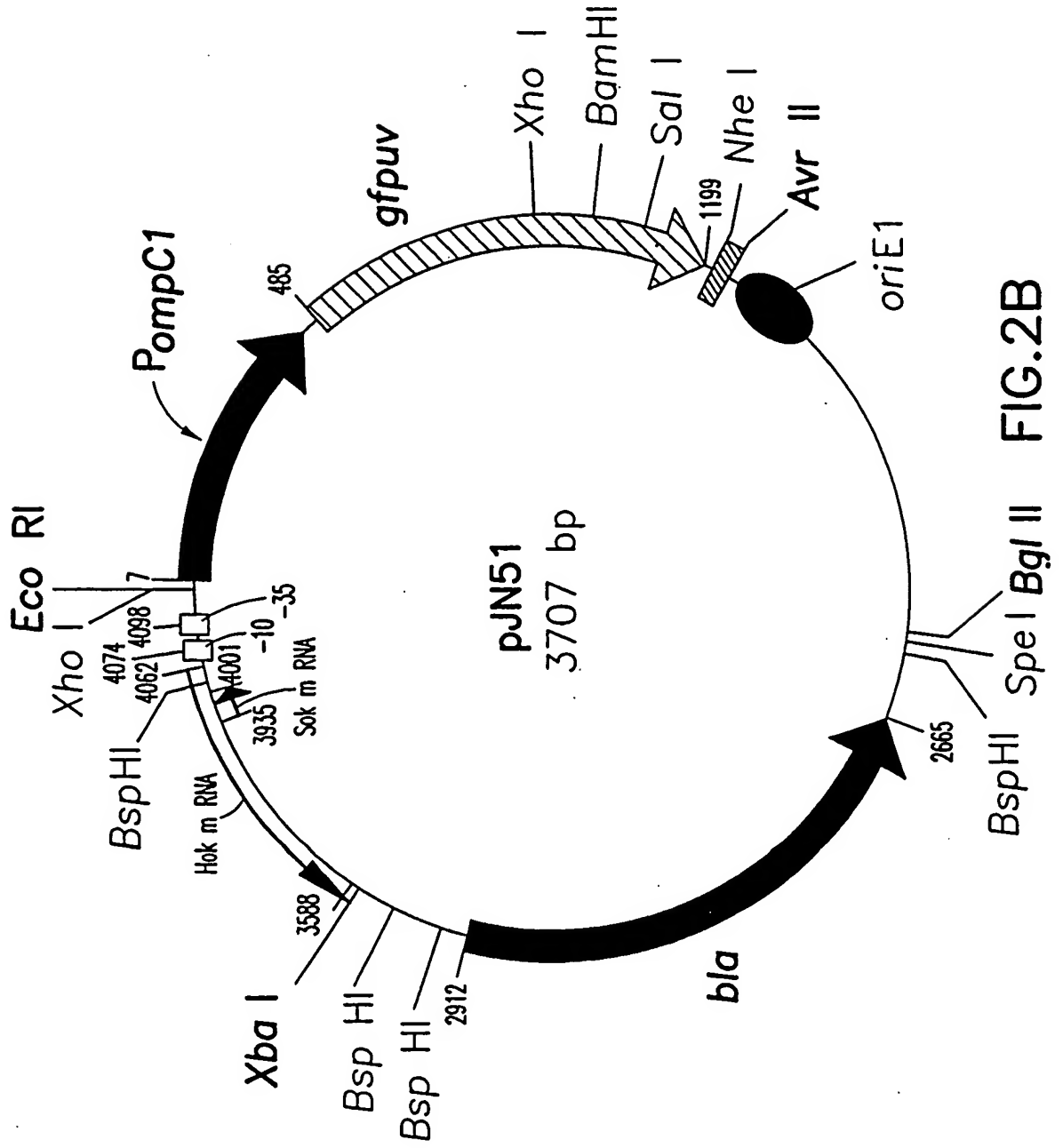


FIG.2B

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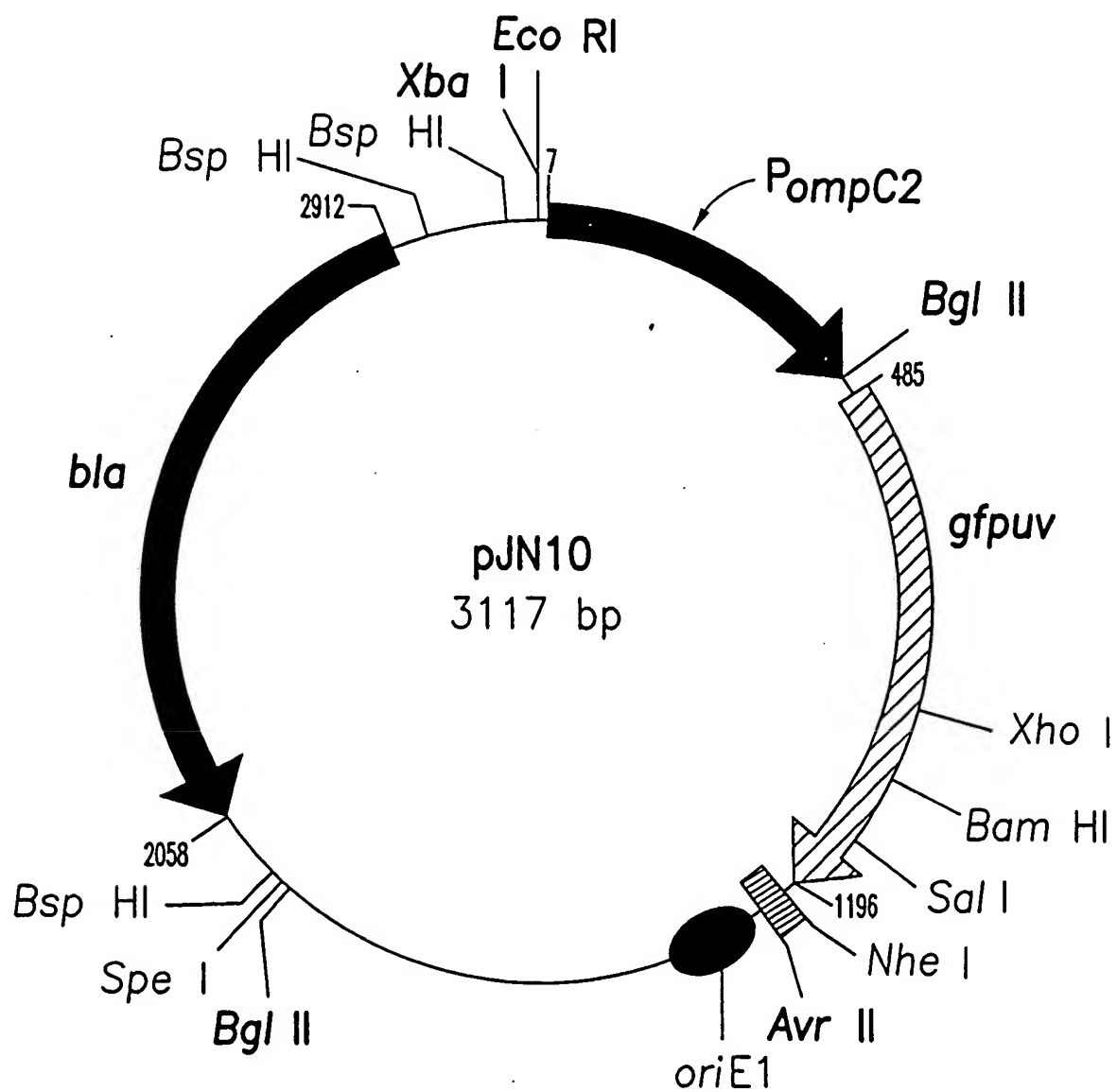


FIG.2C

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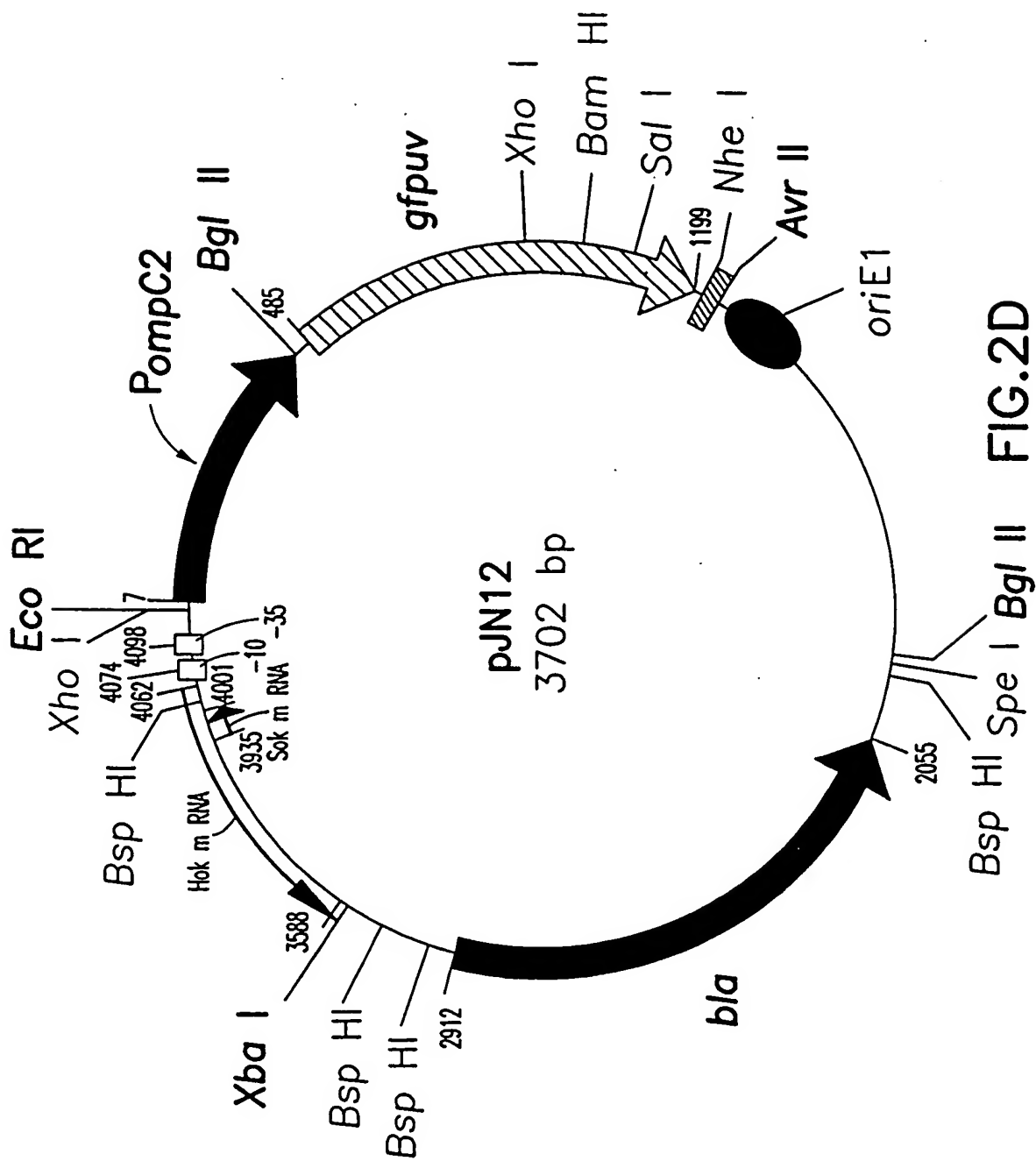


FIG.2D

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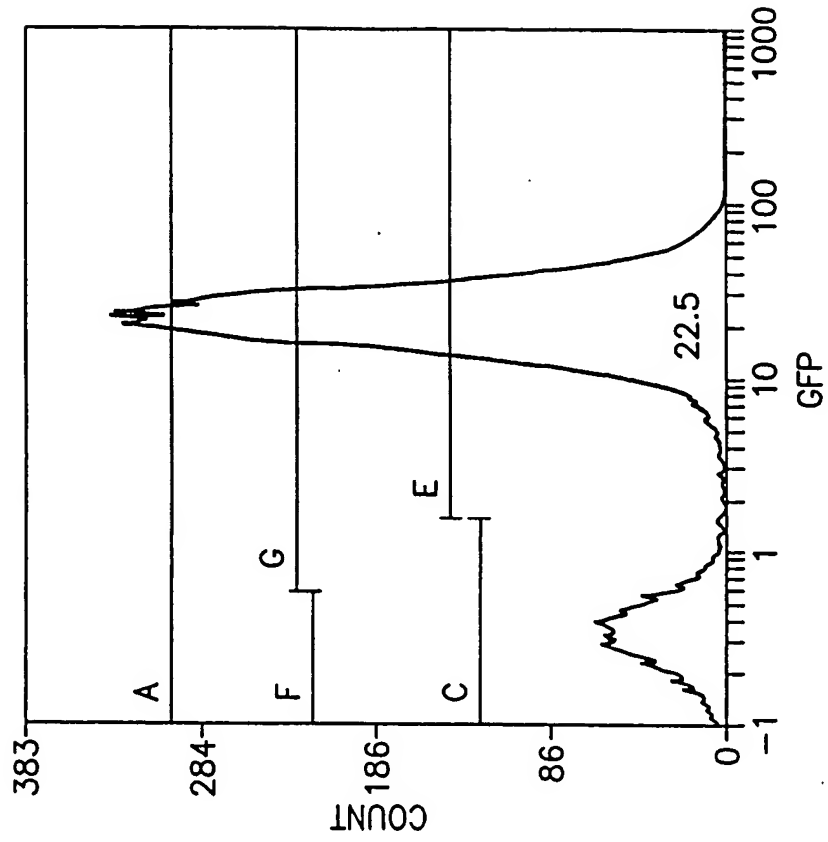


FIG. 3B

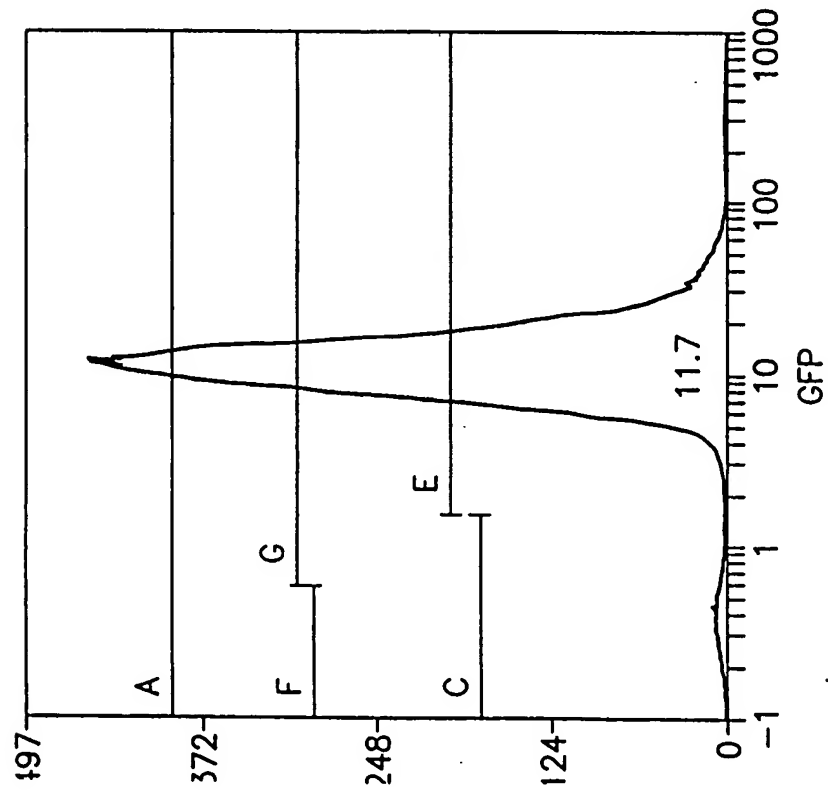


FIG. 3A

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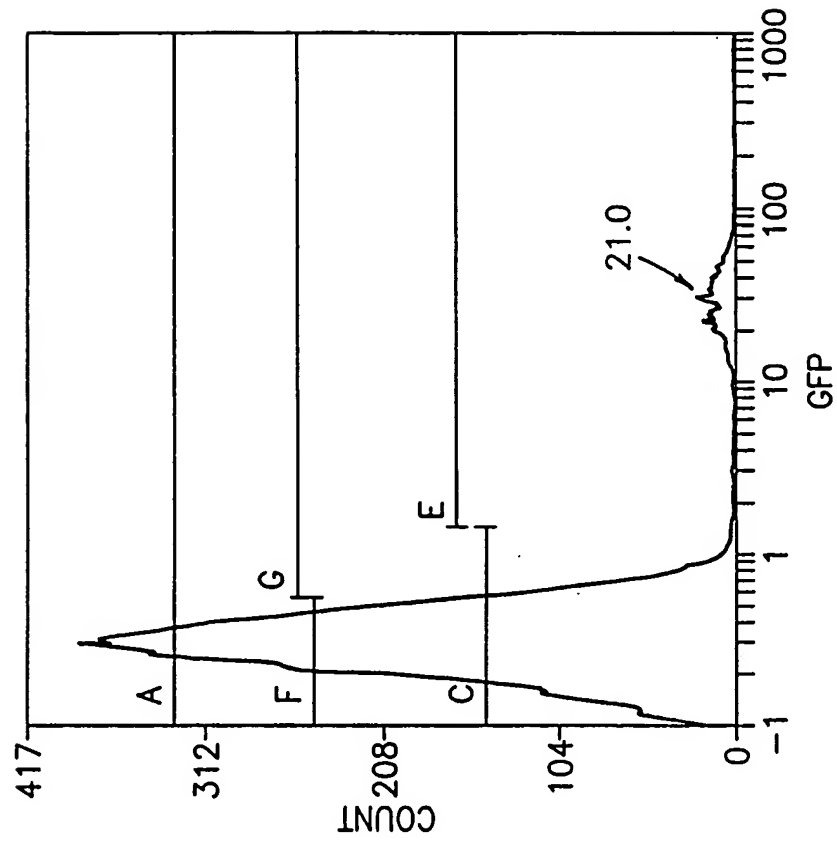


FIG. 3D

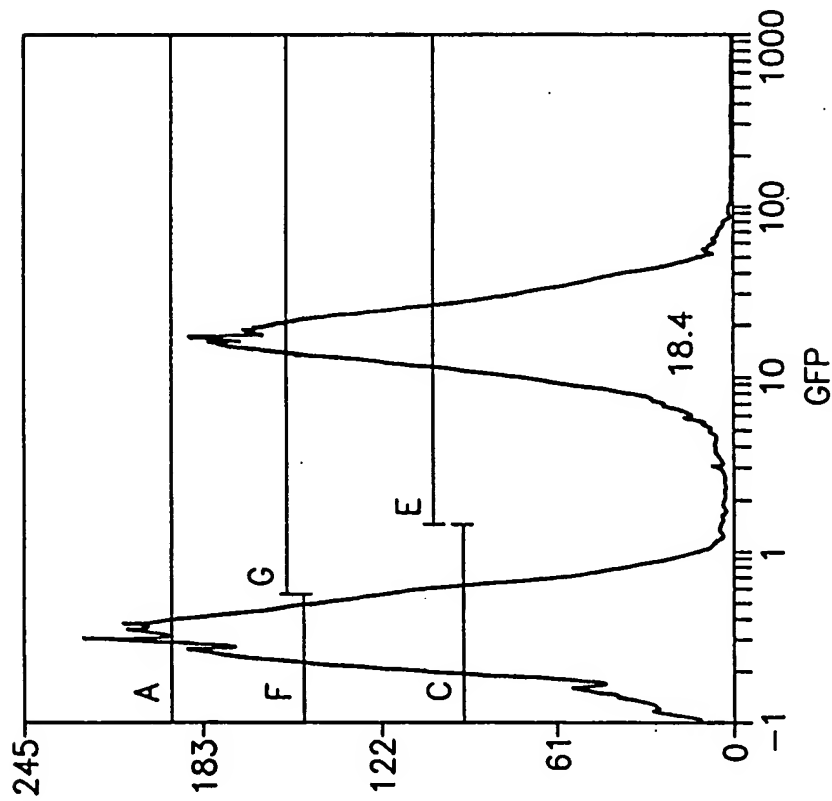


FIG. 3C

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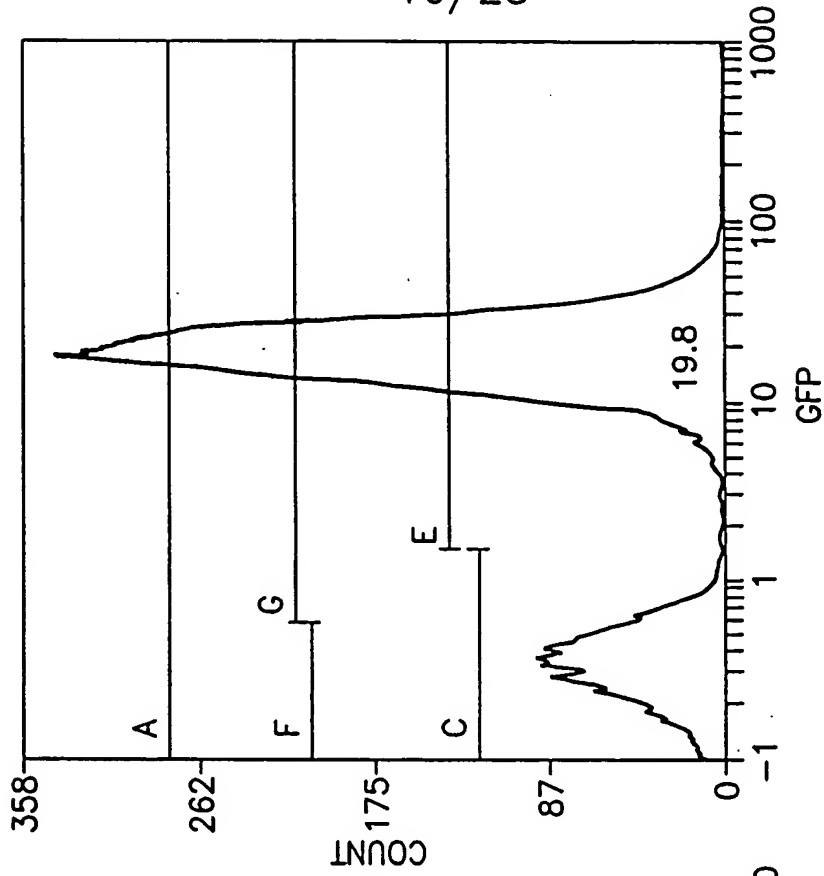


FIG. 3F

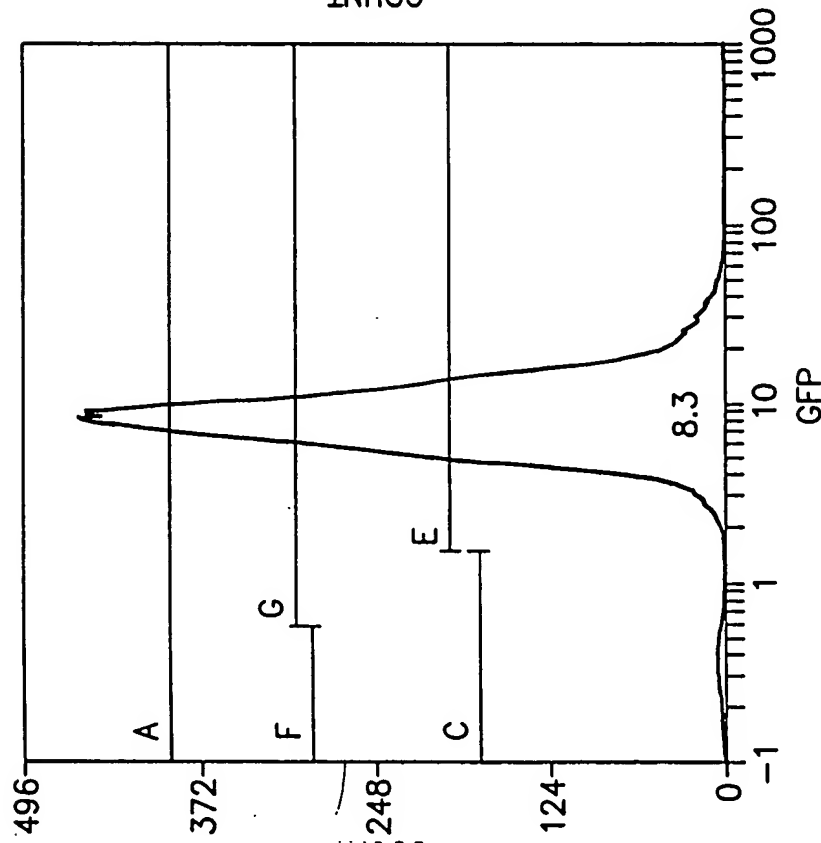


FIG. 3E

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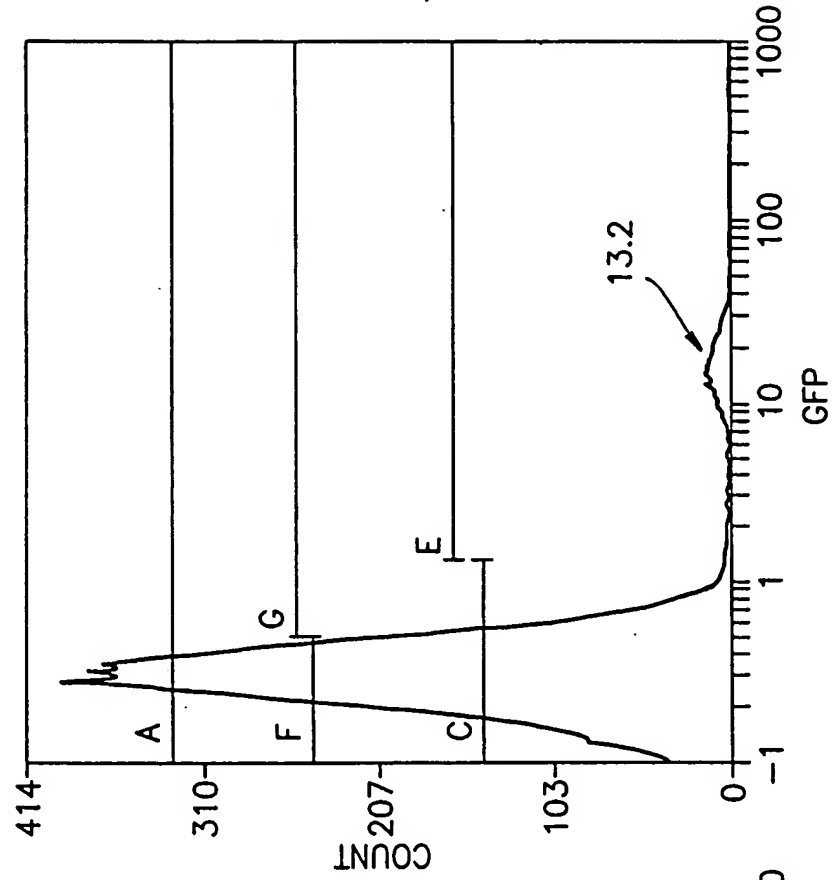


FIG. 3H

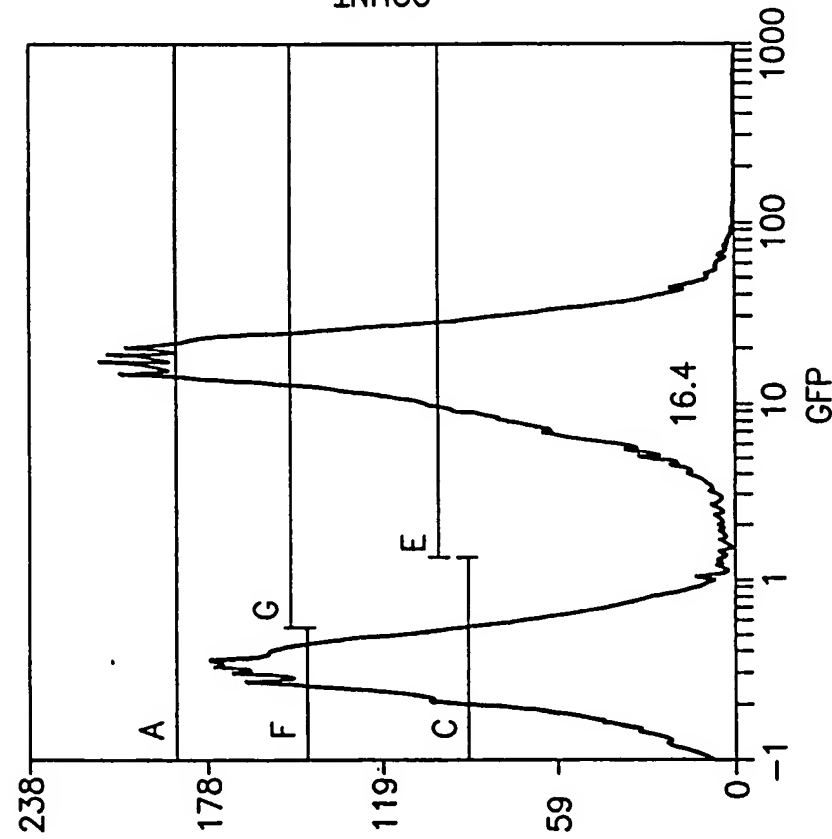


FIG. 3G

FIG. 4A

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 taaagttaat gatgatagag ggagttattc tagttgogag tgaaggtttt gttttgacat 180
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 aggaggatat ctgatgagta aaggagaaga acttttcaact ggagttgtoc caattcttgt 540
 tgaattagat ggtgatgtta atgggcacaa attttctgtc agtggagagg gtgaagggtga 600
 tgcaacatac ggaaaactta cacttaaat tatttgcact actggaaaac tacctgttcc 660
 atggccaaca cttgtcacta ctttctcta tgggtgttcaa tgcttttcc gttatcogga 720
 tcatatgaaa oggcatgact ttttcaagag tgocatgoc gaaggttatg tacaggaaog 780
 cactatatct ttcaaagatg acgggaacta caagaoggt gctgaagtca agtttgaagg 840
 tgataacctt gttaatogta togagttaaa aggtattgat tttaaagaag atggaacat 900
 tctoggacac aaactogagt acaactataa ctacacaaat gtatacatca oggcagacaa 960
 acaaaaagat ggaatcaaag ctacttcaa aattogcac aacattgaag atggatcogt 1020
 tcaactagca gaccattatc acaaaaatc tocaattggc gatggcoctg tcttttacc 1080

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 jacaataa tgagctagoc ogoctaata gaaggcctttt ttttctoggc ctaggggccag 1260
 jaaaggoca ggaacogtaa aaaggcogog ttgctggogt ttttccatag gctcogccoc 1320
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 jaagataac aggggtttcc ooctggaaagc tooctogtgc gctctoctgt tcagaccctg 1440
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 jctcttgat ccggcaaaaca aaocacccgt ggtagoggtg gtttttttgt ttgcaagcag 1860
 agattaogc gcagaaaaaaa aggatctcaa gaagatocctt tgatcttttc taoggggtct 1920
 aogctcagt agatctaaaa cactaggcc aagagtttgt agaaaaogcaa aaaggccatc 1980
 jtcaggatg gacttctgct taatttgatg octggcagtt tatggogggc gtactgccc 2040
 caoctoog ggccgttgct togcaagtt caaatccgt ccgggggat ttgtactact 2100
 aggagagc ttcacogaca aacaacagat aaaaogaaag gccagttctt toactgagc 2160

FIG.4B

FIG. 4C

ttctgtttt atttgatgoc tggcagttoc ctactctogc atggggagac ccacactac 2220
 catoggogct aoggogtttc acttctgagt tggcatggg gtcaggtggg accaooogc 2280
 tactgoogoc aggcaaattc tgttttatca gacogcttct gogttctgat ttaattctgta 2340
 tcaggctgaa aatcttctct catooogcaa aacagccaag ctggatoccc gatcttatca 2400
 ggtogaggtg gccoggctoc atgcaooog acgcaooog gggaggcaga caaggtatag 2460
 gggogogoct acaatocag ocaaoogtt ocatgtgtc gccaggggg cataaatogc 2520
 cgtgaogtc agoggtocag tgatogaagt taggctggta agagoooga gogatocttg 2580
 aagctgtoc tgatggtogt catctaactg octggacagc atggocctga aogggggcat 2640
 coogatgoc ooggagoga gaagaatcat aatggggag gccatocagc ctogogtogc 2700
 gaaogocagc aagaogtagc ccagogogtc ggcogocatg ccggogataa tggocctgctt 2760
 ctogocogaaa ogtttggtgg ogggacagc gaogaaggct tgagogaggg ogtgcaagat 2820
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 gaaaatgacc cagagogctg ccggcacctg toctaogagt tgcataata agaagacagt 2940
 cataagtgg gogaogatag tcatgocccg ogccacocg aaggagctga ctgggttgaa 3000
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 cagtagtagg ttgaggocgt tgagcaocgc ogcogcaagg aatggtgcat gcaaggagat 3120
 gggocccaac agtccccocg ccaogggoc tgcaaccata ccaogocga aacaagocct 3180
 catgagoccc aagtggogag ccogactctc ccatoogtg atgtogoga tataggogc 3240

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jggactggg oggogggocaa agoggtogga cagtgctcoy agaaoggggtg ogcatagaaa 3420
jgcataac gcataatagoy ctagcagcac oggcagtac oggcataaoc aagoctatgc ctacagcatc 3480
jogatatoc ogcaagaggc oggcagtac oggcataaoc aagoctatgc ctacagcatc 3540
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jcacaogat caacacacac cagacaaggg aacttogtgg tagtttcatg gocttcttct 3900
jttgogcaa agogoggtaa gaggtatoc tgatgtggac tagacatagg gatgoctogt 3960
jtggttaat gaaaattaac ttactaoggg gctatcttct ttctgocaca caacaogga 4020
jaaaocac ttcaogtcat gaggcagaaa goctcaagoy oogggcacat catagoccat 4080
taoctgcac gctgaocaca ctcacttctc ctgaaaaataa toogetcatt cagacogttc 4140
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FIG.4D

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gataccaggc gtttccccct ggoggctcc togtgogctc toctgttct gcttttogg 240
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gttcaaagag ttggtagctc agagaacctt ogaaaaacog cctgcaagg oggttttttc 600

FIG.5A

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agataaaa tattttctagg atctaaaaca ctaggcccaa gattttgtag aaagcaaaa 720
ggcatcog tcaggatggc cttctgctta atttgatgc tggcagttta tggogggogt 780
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FIG.5B

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 gaaaatctca aagoccttaa ocaaaggatt octgatttcc acagttctog tcatcagctc 1020
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FIG. 6A

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 taatogct agttcatttg ctttgaaac aactaatca gacatacatc tcaattggtc 1260
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 gtcacoggg cttctcaggg ogttttatgg ogggtctgct atgtggtgct atctgacttt 1860
 tgctgttca gcagttcctg cactctgatt ttccagtcctg accacttogg attatccogt 1920

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FIG.6B

jacaggtcat tcagactggc taatgcaacc agtaaggcag oggtatcatc aacaggctta 1980
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 aatctgtatc aggcctgaaaa tcttctctca toogcaaaa cagocaaagt ggatccocga 2460
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 gatoott 2647

FIG.6C

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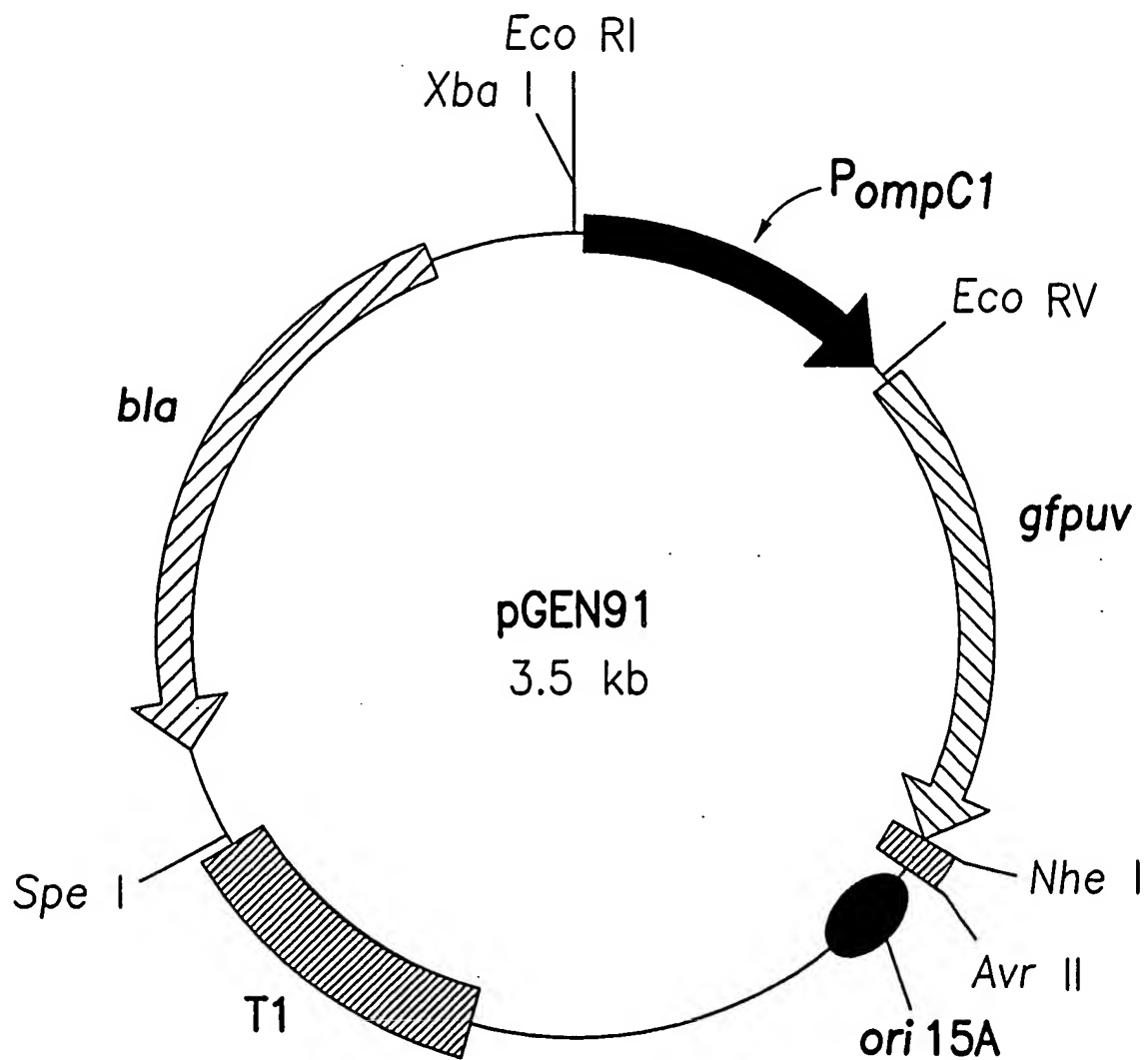


FIG.7A

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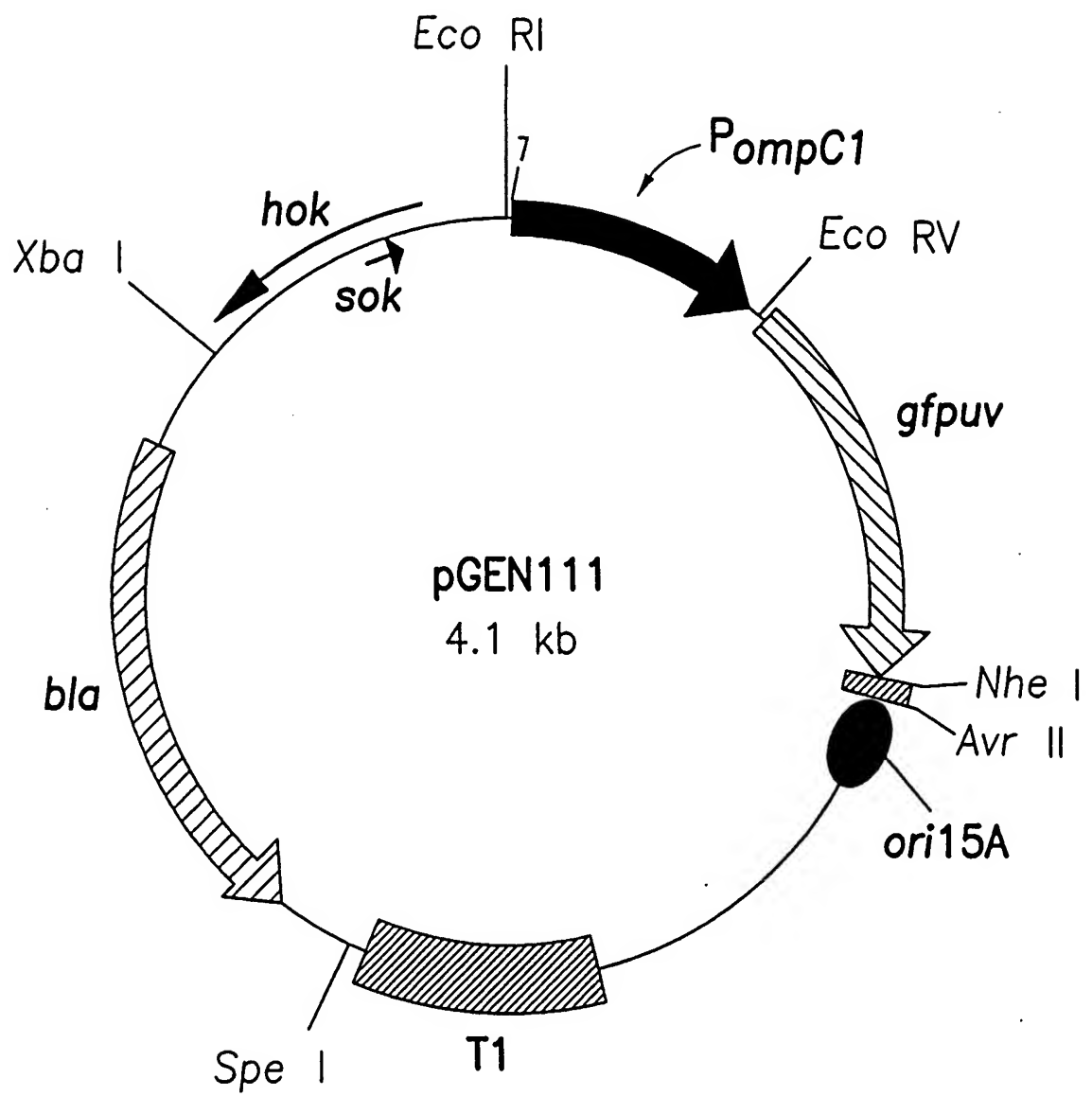


FIG.7B

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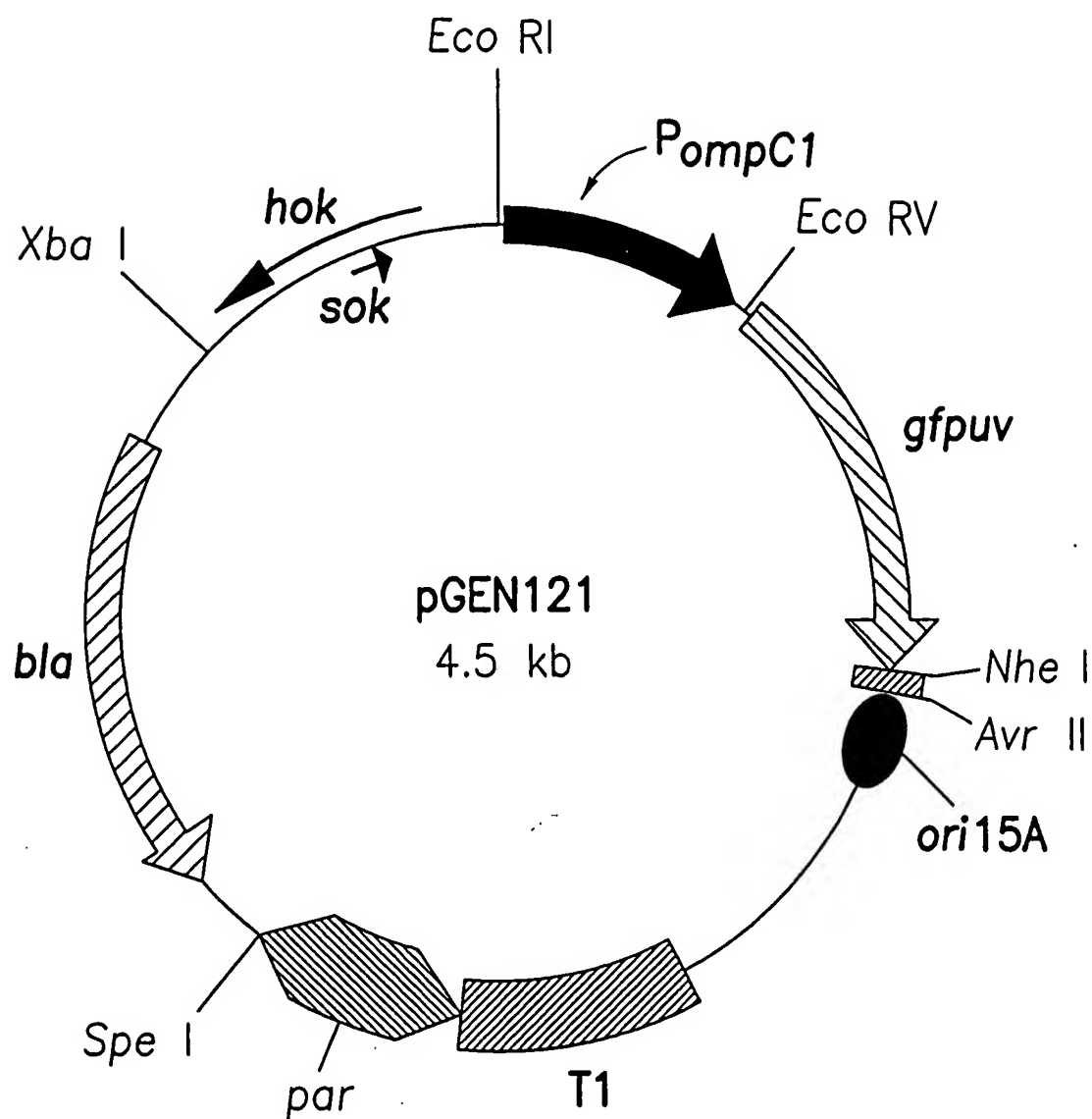


FIG.7C

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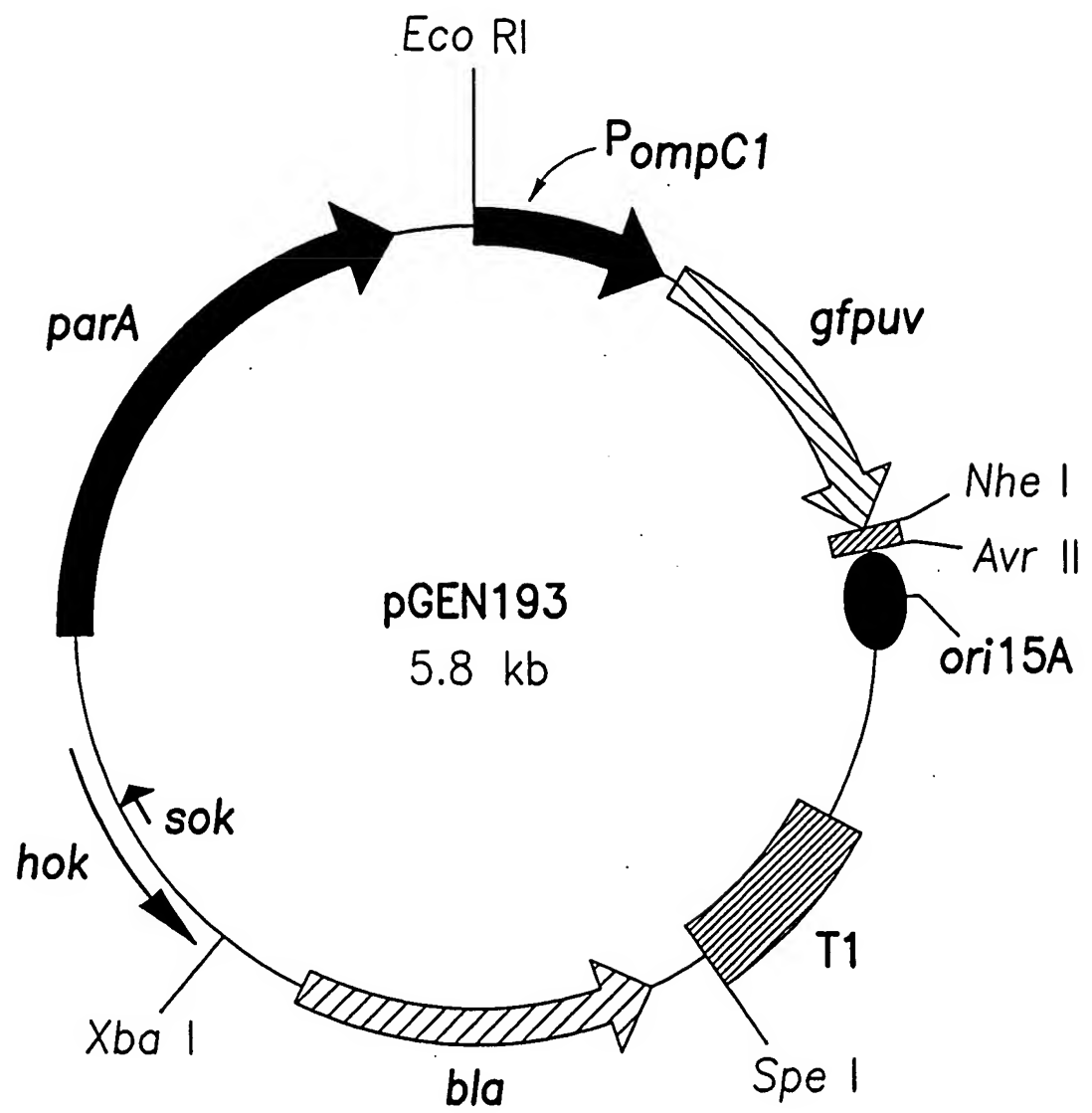


FIG.7D

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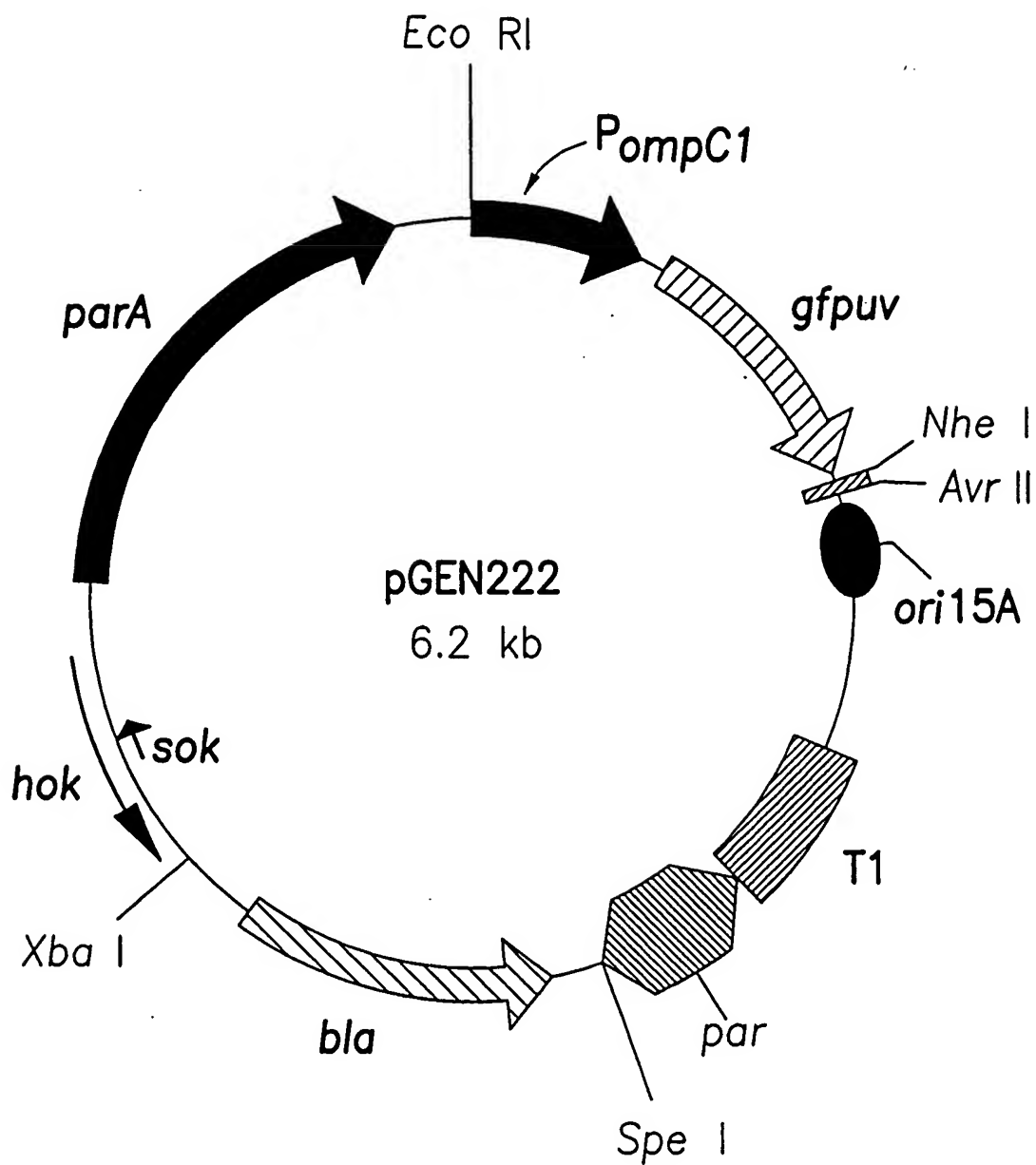
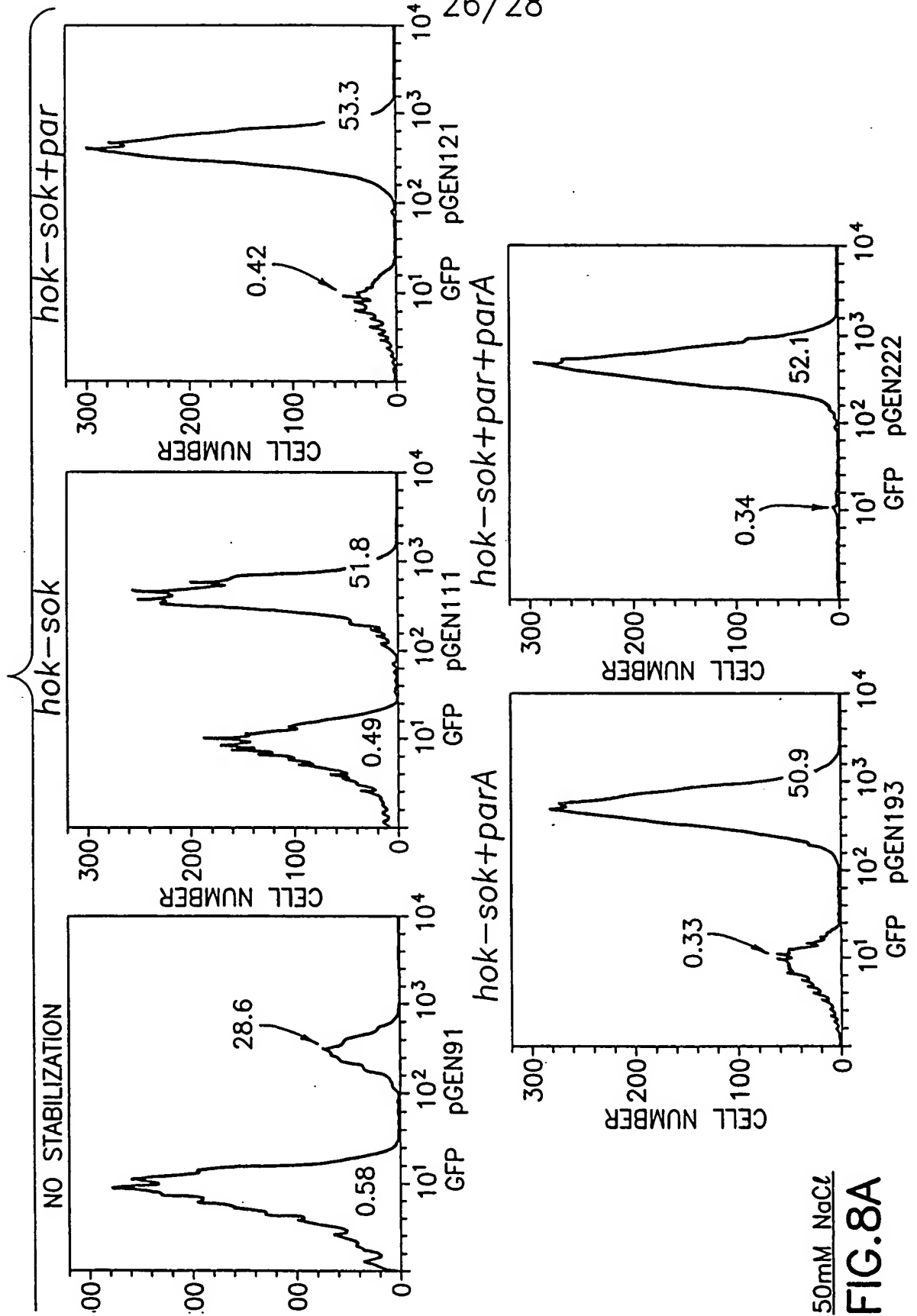
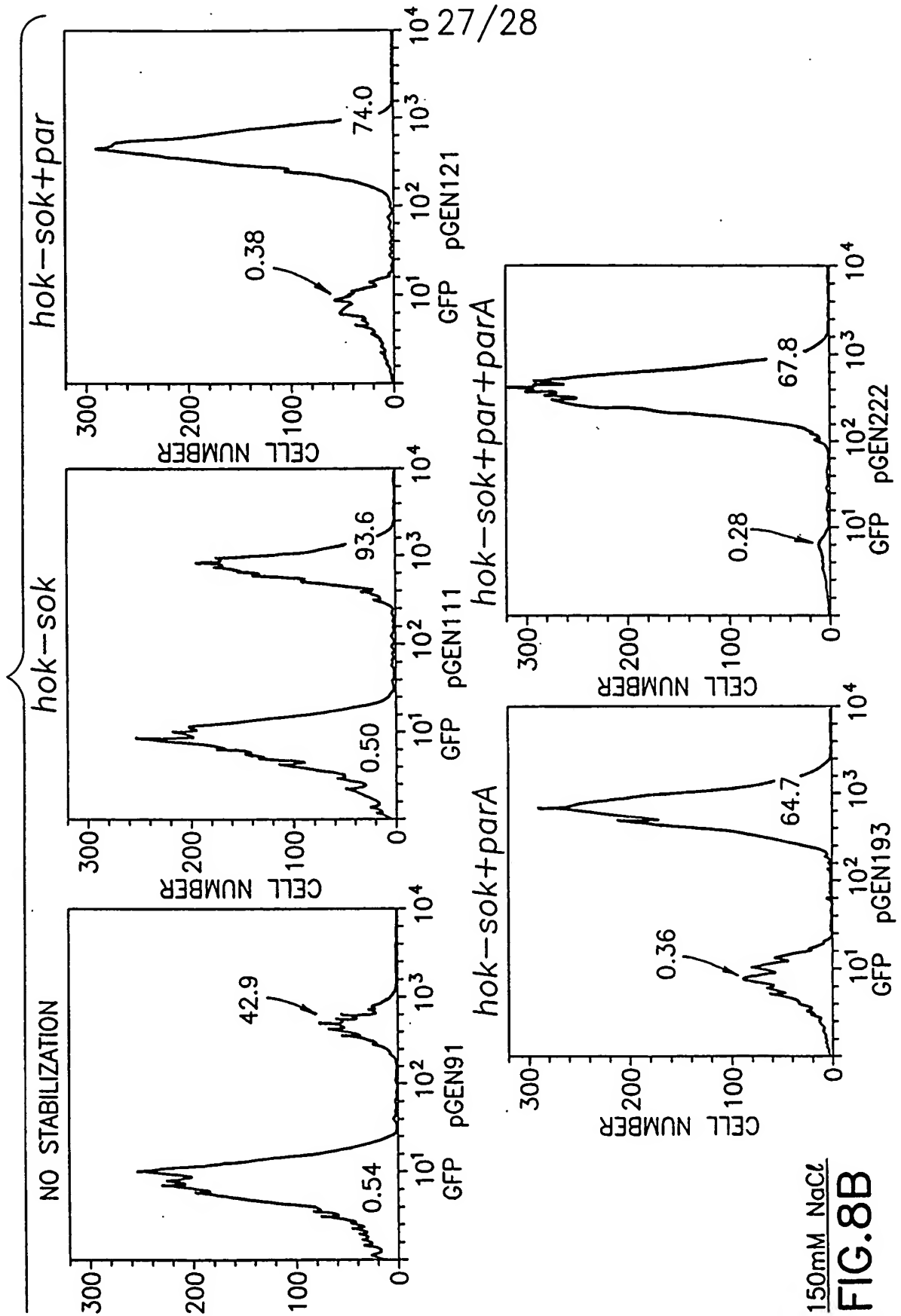


FIG.7E

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150mM NaCl
FIG.8B

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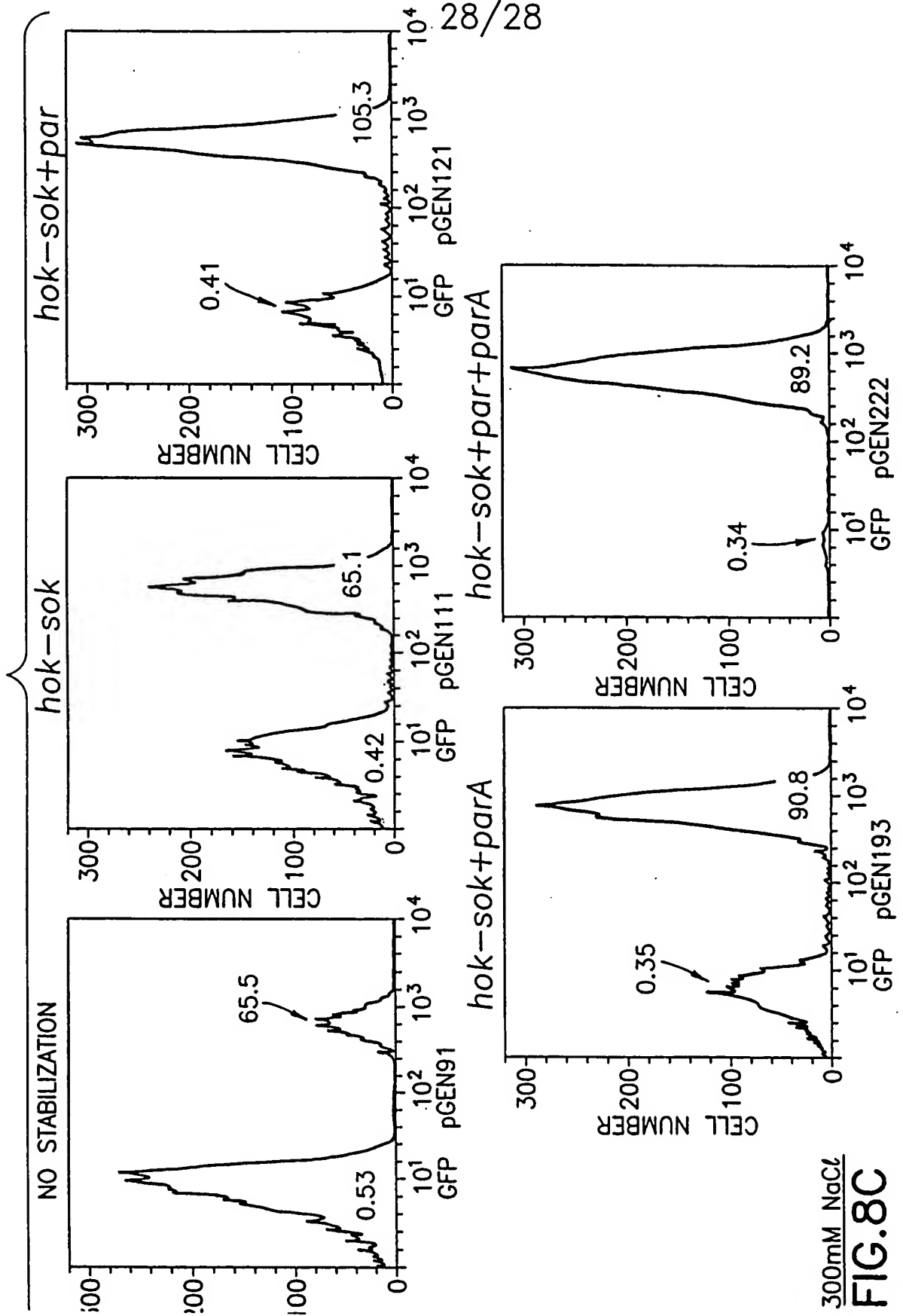


FIG.8C